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**Product Name :**  
Cross Flow Heat Exchanger Apparatus

**Product Code :**  
LBNY-0005-10200043



#### **Description :**

K-type thermocouples measure the inlet and outlet water and air temperatures, as well as permitting the connection of the air velocity sensor.

The air mass flow rate is derived using an air velocity sensor.

Some parts in the heat exchanger such as probes and axial fan can be easily removed for cleaning.

Enables variation of the parameters involved in the cross flow exchange process and therefore a complete analysis of the phenomena.

A comprehensive instruction manual is included.

Mounted on a PVC base plate which is designed to be installed on the plinth of the Heat Exchanger Unit without the need for tools.

#### **Technical Specification :**

##### **Technical Details:**

The axial fan is located between the radiator and one edge of the duct. It can provide max air velocity of 2m/s.

The radiator is accommodated in the middle and across the air duct

Four thermocouples measure input and output water and air temperatures

The fins of the radiator are made from copper and shine in the light, and allow a heat transfer area of 14,000mm<sup>2</sup>

This unit consists of a PVC rectangular duct, axial fan and a single fan radiator.

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# Laboratory Instrument India

